<b>Work Ord</b> <i>April 17, 2013</i>	er ID 100 7:49:11 AM	038			Page 1			
Item ID: Revision ID:	D3186-2M			Accept	*N90004	<b>0100</b> *	Setup Start	*NS1*
Item Name:	SPACEPOD DO	OOR RH			2		Stop	*NS2*
Start Date: Required Date Reference:		Start Qty: 1.00 Req'd Qty: 1.00	*1* *1*		Cust Item ID: Customer:			
Approvals:	Process Plan	: Cd	Date: 13/64/17	7 Tooling:	Date:		Run Start Stop	*NR1*
	OC:		Date:	SPC (Y/N):	Date:		Stop	*NP2*
Notes States i	ka e s	egseen		in in the		o di Acc Ge Qh		Reject sp. Number samp
Draw Nbr	Revis	ion Nbr			The state of the s			`
D3186	Rev E	;						
100				0.00				
*100* Purchasing Purchasing	1	PURCHASING  Memo  Issue P/O:  Description	19599 :D3186-2MDoor	0.00			CL 13,	104/17 0
!			elastek Certificate and Process she s from Previous steps	eet required				
110	I	Receive & Inspect for D	amage & Mat'l Certs	0.00				
*1.10* Packaging		Memo		0.00		(	D & 13	3.09.11
Packaging		Ensure a copattached.	py of certification of confor	rmity and process sheet f	From Delastek is		-	

DQA:	Date:	

## **WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: Date: **AGAINST DEPARTMENT/PROCESS** DISPOSITION Work Order: Water Jet Engineering Skid-tube Crosstube Rework Machining Small Fab Prod. Eng. Coor. Quality Scrap Part No. Other Rec/Store/Packaging Thermoforming Use-as-is Finishing NCR No. Work Order Update Large Fab Composite Supplier Action Sign & Description of work order update Initial Root Chief Eng Description Date Verification QC Inspector Date Step Qtv or Non-conformance Cause Doc/Data Equip/Tooling Operator Material Setup Other Process Supplier Training Unapproved **FAULT CATEGORY** The grant of the same of the same of **Landing Gear** General Pressure/Forced Grain Ovalized Bend Bending Over/Under tolerance Temperature/Cure BOM/Route Hardware Centre Not Concentric to O/S Broken/Damaged Inspection Incomplete Part Incorrect Weld Cracks Wrong Stock Pulled Instructions Incomplete/Unclear Part Lost/Missing Crushed/Crimped. Burrs Part Moved Cuffs Contamination Maintenance Positioned Wrong Mislabeled Heat Treat Countersink Other Power Loss/Surge Inspection Strip in Tube Cut Too Short Misread Offset Ripples in Bend **Drill Holes** Drawing Out of Calibration Torque Waves in Extrusion Out of Sequence Turning Sequence Finish Wave/Twist in Tube Folio Outside Dimensions

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

NCR:

Yes / No

0.00

0.00

QC21- Final Inspection - Work Order Release

Memo

140

\*140\*

Quality Control

alboary

										DQA:	Date	2:
NCR: Y	es / No				WORK ORDER NON-	CON	FORN	MANCE / UPE	DATE	•		
										QA Closed:	Date	· · · · · · · · · · · · · · · · · · ·
Work Orde	r·				DISPOSITION	İ	AGAINST DEPARTMENT/PROCESS					
Work Orde		<del></del>		<del></del>	Rework	7 <b> </b>		Skid-tube	Crosstube	7	Water Jet	Engineering
Part N	0.				Scrap	1		Machining	Small Fab	Pro	d. Eng. Coor.	Quality
					Use-as-is	] [	Therm	noforming	Finishing	Rec/Stor	e/Packaging	Other
NCR N	0				Work Order Update	]		Large Fab	Composite	]	Supplier	
Root		1		Descri	ption of work order update		itial	Act	ion	Sign &		
Cause	Date	Step	Qty		or Non-conformance	1	ef Eng		iption	Date	Verification	QC Inspector
Doc/Data						1			•			
Equip/Tooling												
Operator												
Material												
Setup												
Other		<u> </u> 										
Process												
Supplier												
Training												,
Unapproved												
					F	AULT	CATE	GORY				
Landin	g Gear				General				_	<b>~</b> 1	·	
	Bending			ļ	Bend	<b>—</b>	Grain			Ovalized	-	Pressure/Forced
Ļ	Centre No	ot Conce	ntric to	D/S	BOM/Route	-	łardwa			Over/Under	F-	Temperature/Cure
	Cracks			<u> </u>	Broken/Damaged	_		on Incomplete	<u> </u>	Part Incorre	<b>-</b>	Weld
	Crushed/	Crimped		<u> </u>	Burrs			ions Incomplete/L	Jnclear	Part Lost/Mi	ssing	Wrong Stock Pulled
	Cuffs			Contamination	$\vdash$		nance	<u> </u>	Part Moved			
				Countersink	Ш	∕Iislabe	led	<u> </u>	Positioned V		_	
Ĺ	Inspection Strip in Tube Cut Too Short			$\vdash$	Misreac	d		Power Loss/	Surge	Other		
<b>├</b> ─ <b>┤</b>				Drill Holes		Offset						
Ĺ	Torque W	aves in l	Extrusio	ր <u> </u>	Drawing	$\mathbf{H}$		Calibration				
į	Turning Sequence Finish					Out of Sequence						
	Wave/Twist in Tube			Folio		Dutside	Dimensions					

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**Picklist Print** 

April 17, 2013 7:49:11 AM

Work Order ID:

100038

Parent Item:

D3186-2M

Parent Item Name:

SPACEPOD DOOR RH

**Start Date: 4/17/13** 

Required Date: 5/10/13

Page 1

Start Qty: 1.00

Required Qty: 1.00

**Comments:** 

IPP Rev:A New Issue 06-12-04 ec

IPP rev D rv D dwg 07.03.07 ec

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D3186-2P		Purchased	No			110	Each	0.0000	1	1 /	3/1	1, 4	1
Spacepod Door										<i>[:</i>	2/3/	P.B.(	( <i>!)</i>

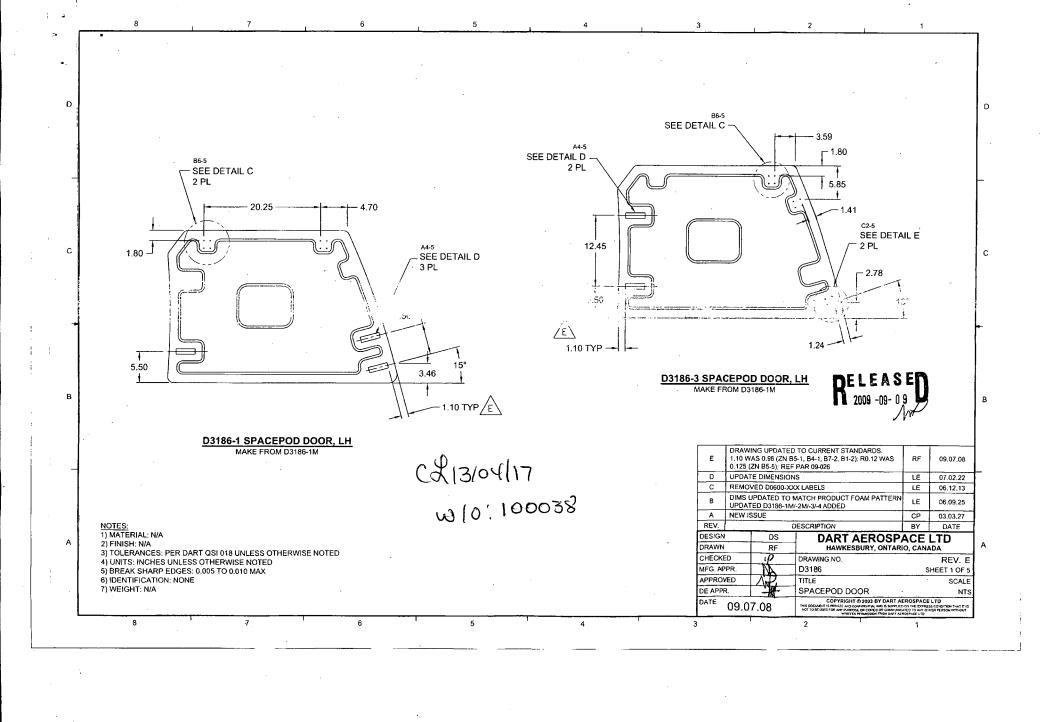
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			DQA:	Date:
ICR: Yes / No	WORK ORDER NON-CO	ONFORMANCE / UPDATE		

					,	·				QA Closed:	Date	
Work Orde	or:				DISPOSITION		AGAINST DEPARTMENT/PROCESS					
Part N	lo.				Rework Scrap Use-as-is Work Order Update		ا Thern	Skid-tube  Machining  noforming  Large Fab	Crosstube Small Fab Finishing Composite		Water Jet d. Eng. Coor. re/Packaging Supplier	Engineering Quality Other
Root		-[		Descr	iption of work order update	Ini	tial	Ac	ction	Sign &		
Cause	Date	Step	Qty		or Non-conformance	Chie	f Eng	Desc	cription	Date	Verification	QC Inspector
Doc/Data Equip/Tooling Operator Material Setup Other Process Supplier Training Unapproved												
,		,l		·		AULT	CATE	GORY :				<u> </u>
Lándir	Cracks	ot Conce	ntric to (	D/S	General Bend BOM/Route Broken/Damaged Burrs Contamination Countersink	H In in	struct	ire ion Incomplete ions Incomplete, enance	/Unclear	Ovalized Over/Under Part Incorre Part Lost/M Part Moved Positioned N	tolerance ct issing	Pressure/Forced Temperature/Cure Weld Wrong Stock Pulled
		Inspection Strip in Tube Cut Too Short			<b>-</b>		1isreac			Power Loss/	_	Other
<u> </u>	Ripples in Bend Drill Holes			$\vdash$	ffset			,				
	Torque Waves in Extrusion Drawing			<b></b>	Out of Calibration							
	Turning Sequence Finish			Finish		ut of S	Sequence					
	Wave/Twist in Tube Folio			Folio	По	utside	Dimensions					

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DQA:	Date:	
`		

NCR: Yes / No

## **WORK ORDER NON-CONFORMANCE / UPDATE**

.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,							47600		QA Closed:	Date			
Work Orde	r				DISPOSITION		AGAINST DEPARTMENT/PROCESS						
work orde	· ·				Rework		Skid-tube	Crosstube	1	Water Jet	Engineering		
Part N	0.				Scrap		Machining	Small Fab	Pro	d. Eng. Coor.	Quality		
7 01111		Use-as-is					noforming	Finishing	<b>⊣</b>	re/Packaging	Other		
NCR N	ю.				Work Order Update		Large Fab	Composite		Supplier			
Root	-				ption of work order update	Initial	Ī	tion	Sign &	: :			
Cause	Date	Step	Qty		or Non-conformance	Chief Eng	Desc	ription	Date	Verification	QC Inspector		
Doc/Data					í								
Equip/Tooling													
Operator	_												
Material													
Setup		1	i i										
Other													
Process	_												
Supplier	_					<u> </u>							
Training	_												
Unapproved	<u>.                                    </u>	1	<u> </u>			ALLI T CATE	CORV			<u> </u>			
		<u> </u>				AULT CATE	GURY	1	1 .	· .			
Landir	ng Gear	1 - 175	<i>!!</i>	_	General Bend	Grain	es a "	." 	_	)	Pressure/Forced		
	Bending			\s \-	BOM/Route	Hardwa		_	Over/Under	toloranco	Temperature/Cure		
	Centre No	ot Concer	ntric to C	"³  -	Broken/Damaged	<b></b>	tion Incomplete		Part Incorre		Weld		
}	Crushod	Crimnod		<u> </u>	╡ -		tion incomplete/	Unclear	Part Lost/M	<u> -</u>	Wrong Stock Pulled		
}	Cuffs	crimpea.	rimped. Burrs			<del></del>	enance	Officieal	Part Moved	133111B	VVTOING Stock Failed		
ŀ	Heat Trea	n+		<u> </u>	Contamination Countersink	Mislab		-	Positioned V	Wrong			
	Inspection		Tuha	-	Cut Too Short	Misrea		<u> </u>	Power Loss/		Other		
}		•	TUDE	-	Drill Holes	Offset			J. 5Wei 2533/		100.00		
	Rinnles in												
}	Ripples in		vtrusion	.  -	<del>- </del>		Calibration						
}	Ripples in Torque W Turning S	aves in E		·	Drawing Finish	Out of	Calibration Sequence						

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B6-5 SEE DETAIL C 2 PL B6-5 SEE DETAIL C 2.88 2.89 --23.17 1.80 A4-5 SEE DETAIL D 5.85 1.80 1.41 A2-5 С С SEE DETAIL F 2 PL 12.42 - 5.50 19° 5.50 2.78 - SEE DETAIL D 3 PL В D3186-4 SPACEPOD DOOR, RH MAKE FROM D3186-2M D3186-2 SPACEPOD DOOR, RH MAKE FROM D3186-2M NOTES: 1) MATERIAL: N/A 2) FINISH: N/A DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA DESIGN DS DRAWN RF 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED CHECKED DRAWING NO. 4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX REV. E MFG. APPR D3186 SHEET 2 OF 5 6) IDENTIFICATION: NONE APPROVED TITLE SCALE 7) WEIGHT: N/A DE APPR. SPACEPOD DOOR NTS

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MOT TO BE USED FOR ANY MIRROSS OF COPED OR COMMUNICATED TO ANY DITHER REP

DATE

09.07.08

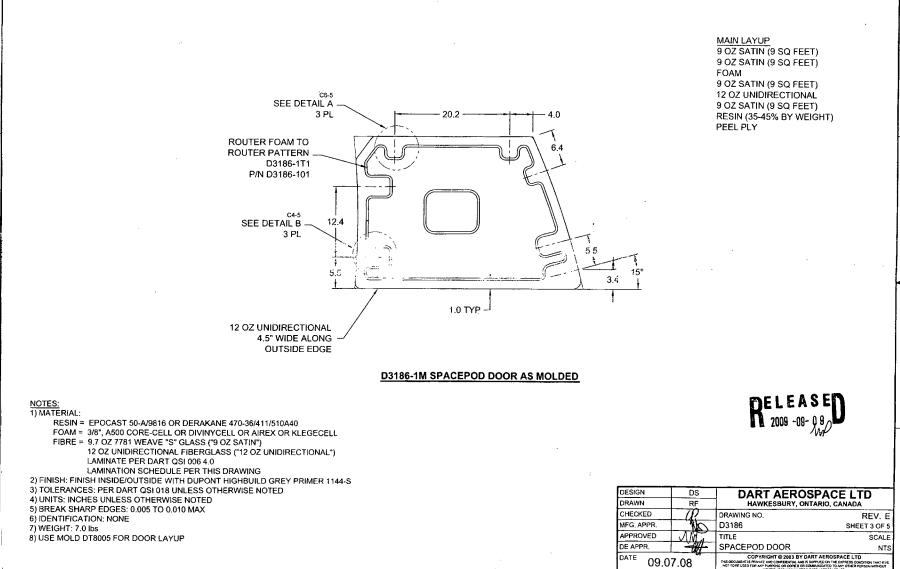
												DQA:	Date:	
NCR:	Yes	/ No					WORK ORDER NON-O	COI	NFORI	MANCE / UPDA	TE	•		
				*** * * * ***					<del></del>			QA Closed:	Date:	and the second s
Work Ord	er:						DISPOSITION				AGAINST DE	PARTMENT	PROCESS	
		<del></del>	<u> </u>				Rework	]	Skid-tube Crosstube				Water Jet	Engineering
Part l	No.						Scrap			~ <b>—</b>	Small Fab	4	d. Eng. Coor.	Quality
							Use-as-is		Thern	~ <del>}</del>	Finishing	Rec/Stor	e/Packaging	Other
NCR No Work Order Update				_		Large Fab C	omposite	J	Supplier					
Root					Des		otion of work order update	1	nitial	Action		Sign &		
Cause		Date	Step	Qty		С	r Non-conformance	Ch	ief Eng	Descripti	on	Date	Verification	QC Inspector
oc/Data							,							
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Material														
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upplier	┕													
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Inapproved			<u> </u>					<u> </u>				<u></u>		
·							<del></del>	AUL	T CATE	GORY	34			
Landi	ng (	Gear			,		General 🕦 🖖		1	7	7-1-1-	7	<u></u>	7
***	_	Bending					Bend		Grain	1.	, "	Ovalized	<u> </u>	Pressure/Forced
	L	Centre No	ot Concer	ntric to (	D/S		BOM/Route		Hardwa			Over/Under	<del></del>	Temperature/Cure
		Cracks					Broken/Damaged		1	on Incomplete		Part Incorred	<del>                                     </del>	Weld
	L	Crushed/0	Crimped.				Burrs	$\perp$	1	ions Incomplete/Uncl	ear	Part Lost/Mi	ssing	Wrong Stock Pulled
	L	Cuffs					Contamination		Mainte		ļ	Part Moved		
	L	Heat Trea	it			Countersink			Mislabe	led		Positioned V		,
	Inspection Strip in Tube Cut Too Short				Misread	i		Power Loss/	Surge	Other				
	Ripples in Bend Drill Holes				Offset			-						
	Torque Waves in Extrusion Drawing						Out of	Calibration						
	Turning Sequence					Finish		Out of Sequence						

Outside Dimensions

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Wave/Twist in Tube

Folio



В

Α

			.DQA:	Date:
ICR.	Ves / No	WORK ORDER NON-CONFORMANCE / UPDATE		

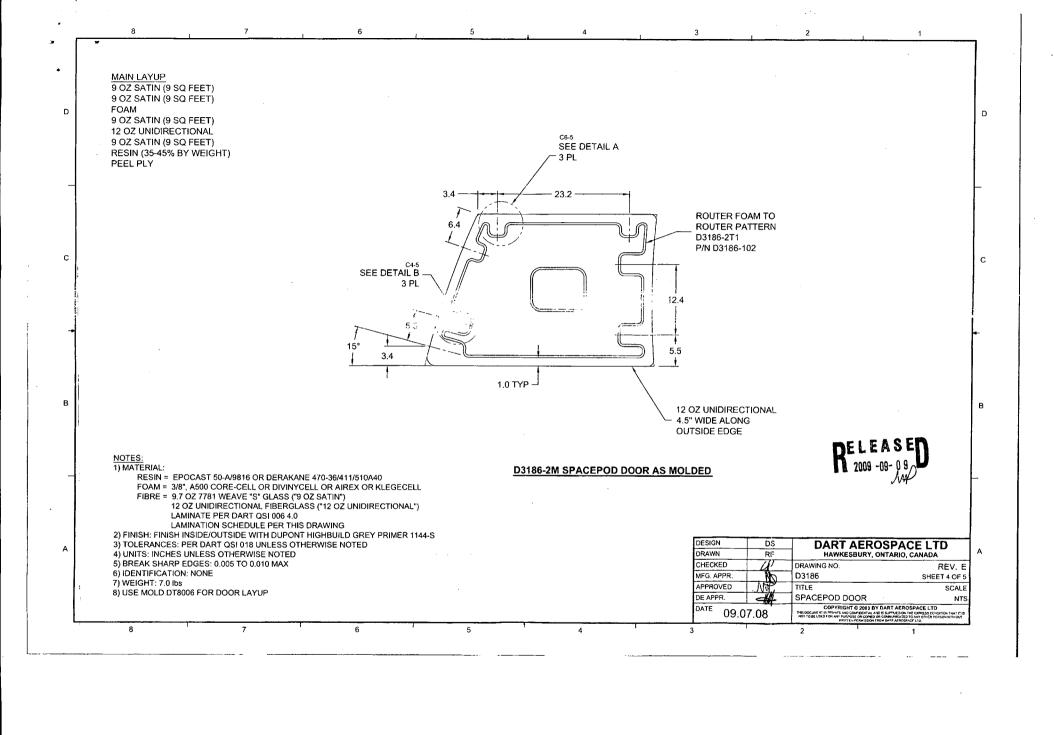
NCR: \	Yes	/ No				WORK ORDER NON-	COL	NFORI	MANCE / UP	DAIL			
		,							•		QA Closed:	Date:	
Work Orde	er:	, , , , , , , , , , , , , , , , , , , ,				DISPOSITION		AGAINST DEPARTMENT/PROCESS					
Part f	•	Rework						Skid-tube Crosstube Small Fab Thermoforming Finishing				Water Jet d. Eng. Coor.	Engineering Quality Other
NCR 1	No.					Work Order Update			Large Fab	Composite		Supplier	
Root					Descri	ption of work order update	Ti	nitial	Ac	tion	Sign &		
Cause		Date	Step	Qty	(	or Non-conformance	Ch	ief Eng	Desc	ription	Date	Verification	QC Inspector
Doc/Data													
Equip/Tooling							Ì						
Operator	Ш											·	
Material	Н												
Setup													
Other													
Process	Н	;			:				į.				
Supplier Training	Н		'										
Unapproved	H	1											
,	السلط		<u> </u>	<u> </u>	<u> </u>	2- 30 V	AUL	T CATE	GORY i	1 ,			
Landi	ng (	Gear				General		-e:	1				;
a ph		Bending				Bend		Grain	· · · · · · · · · · · · · · · · · · ·	12.4	Ovalized		Pressure/Forced
		Centre No	ot Conce	ntric to	o/s	BOM/Route		Hardwa	ire		Over/Under	tolerance	Temperature/Cure
		Cracks				Broken/Damaged		Inspect	ion Incomplete		Part Incorre	ct	Weld
		Crushed/0	Crimped.			Burrs		Instruct	tions Incomplete/	/Unclear	Part Lost/M	issing	Wrong Stock Pulled
		Cuffs		Contamination		Mainte	enance		Part Moved				
	Щ	Heat Trea	t			Countersink		Mislabe		_	Positioned V		7
	_	Inspection		Tube		Cut Too Short	·	Misrea	d		Power Loss/	'Surge	Other
	Ripples in Bend		Drill Holes	Offset									
			Drawing	<u> </u>	1	Calibration							
	Turning Sequence		Finish	Out of Sequence									

Outside Dimensions

Wave/Twist in Tube

Folio

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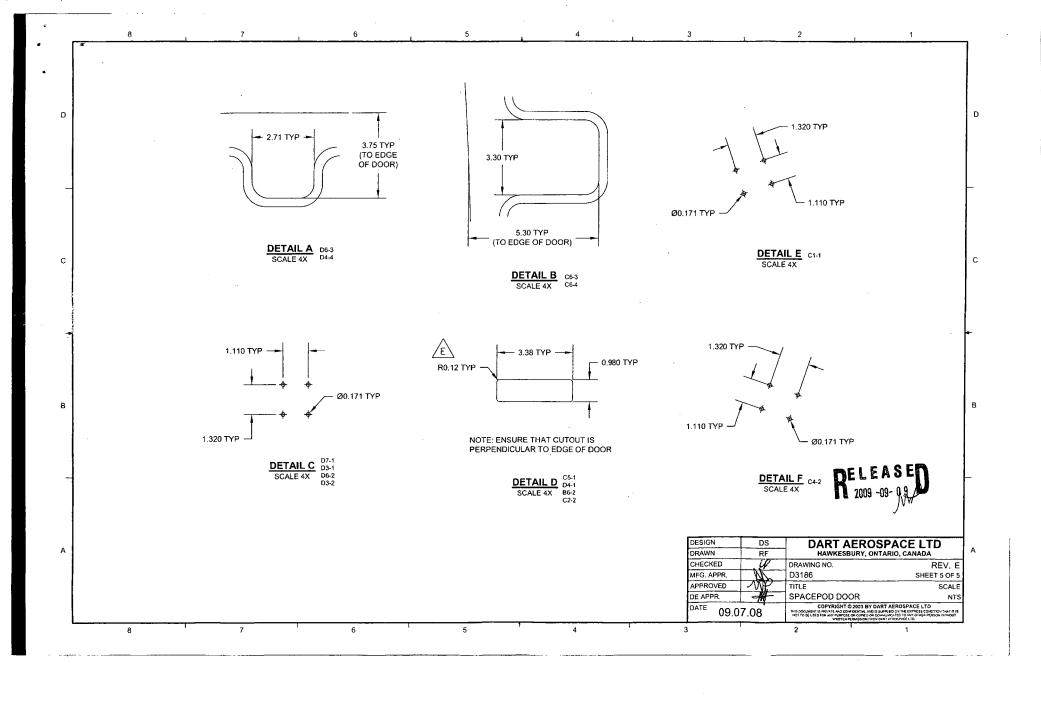
DQA:	Date:	
-		

NCR: Yes / No

## WORK ORDER NON-CONFORMANCE / UPDATE

									QA Closed:	Date		
Work Order:					DISPOSITION	DISPOSITION AGAINST			DEPARTMENT/PROCESS			
Part No.					Rework Scrap Use-as-is	Ther	Skid-tube Machining moforming	Crosstube Small Fab Finishing	4	Water Jet d. Eng. Coor. re/Packaging	Engineering Quality Other	
NCR No.					Work Order Update		Large Fab	Composite	]	Supplier		
Root	Descr				ption of work order update	Initial	Initial Action		Sign &			
Cause	Date	Step	Qty		or Non-conformance	Chief En	Chief Eng Description			Verification	QC Inspector	
Doc/Data												
Equip/Tooling												
Operator												
Material												
Setup												
Other												
Process												
Supplier												
Training												
Unapproved		1				ALUTCAT	ECOPY		<u> </u>	<u> </u>		
FAULT CATEGORY												
Langui	anding Gear General Bend					Grain			Ovalized		Pressure/Forced	
•		Bending Centre Not Concentric to O/S			BOM/Route		Hardware		Over/Under tolerance		Temperature/Cure	
	Cracks				Broken/Damaged	$\vdash$	tion Incomplete	}		_	Weld	
		Crushed/Crimped			Burrs		Instructions Incomplete/Unclear		Part Incorrect Part Lost/Missing		Wrong Stock Pulled	
	Cuffs	<del></del>		一	Contamination		Maintenance		Part Moved		<b>_</b>	
	Heat Tre	at			Countersink	<b>—</b>	Mislabeled		Positioned Wrong			
	<b>—</b>	Inspection Strip in Tube			Cut Too Short	Misre	Misread		Power Loss/Surge		Other	
•	Ripples in				Drill Holes	Offset	Offset					
	Torque V		xtrusio	n	Drawing	Out of	Out of Calibration					
	Turning S				Finish	Out o	Out of Sequence					
	Wave/Twist in Tube				Folio	Outsid	Outside Dimensions					

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Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7

Tel: 613 632 9577 Fax: 613 632 1053

#### **PURCHASE ORDER**

#### Purchase Order ID PO19599

Purchase Order Date 4/17/13 PO Print Date 4/17/13

Page Number 1 of 1

Order From:

VU-DEL003

DELASTEK INC

2699 5E AVENUE, LOCAL C.P 10100

GRAND-MERE, QC G9T 5K7

CA

Contact Name

Vendor Phone

819 533 5788

Vendor Fax

819 533 3494

Vendor Account Nbr

Buver

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr

10127-2607 Net 30

Currency

USD

FOB

Destination-Collect

Ship To:

DART AEROSPACE LTD

1270 ABERDEEN

HAWKESBURY, ON K6A 1K7

**CANADA** 

Line Nbr Reference Revision ID Vendor Part Number Description/ Mfg ID

Req Date/

Reg Oty/ Taxable Unit of Measure

Ship Method

**Unit Price** 

Extended Price

D3186-2P •

Spacepod Door

5/10/13 Yes 1.00

FedEx Pl collect

\$711.0000

\$711.00

AS PER DWG D3186 REV. E

B100038

FedEx PI collect

D3186-2P

Spacepod Door

5/10/13

Yes

1.00 Each

Each

\$711.0000

\$711.00

Special lust:

Special Inst.

AS PER DWG D3186 REV. E

B100041

PO Total:

\$1,422.00

CERTIFICATE OF CONFORMITY REQ'D UPON DELIVERY

MATERIAL CERTIFICATION REQ'D UPON DELIVERY

No substitution or deviation without consent.

Certificate of Conformity or Material Certification required -/ NO

Change Date: 4/17/13

Change Nbr:



DELASTEK Inc. 2699 5e Avenue Local 14, C.P. 10100 Grand-Mère, Québec G9T 5K7 Canada

Tel.: (819) 533-5788 Fax: (819) 533-3494

# **PACKING SLIP** CERTIFICATE OF COMPLIANCE

Invoice No.	48495
Customer No.	DART US

Bill To	Ship To
DART AEROSPACE LTD	DART AEROSPACE LTD
1270, Aberdeen Street	1270, Aberdeen Street

Canada

Hawksbury, Ontario K6A 1K7 Canada

**Telephone:** 613-632-5200 Contact: Linda Lacelle

Telephone: 613-632-5200

Accepted by:

Quality department

Hawksbury, Ontario K6A 1K7

Contact: Linda Lacelle

Ship Date Order Date		ite	Our SO # Ordered by		<b>y</b>	Your PO#		Terms		
21-06-2013 22-04-2013		13	23381 Brigitte Golde		en	1 19599		Net 30 days USA		
Ship Via			F.O.B.				Salesperson		GST/PST	
FEDEX P1 Collect			Point de départ			Mathieu Doucet, ext.690				
Order Qty	B.O. Qty		rrent nip.	Item number		Description				
1	0		1	DKC13	4-0060	B10003 Dwg. D3 Se	N° D3186-2M Spacepod I 18 186 Rév.: E rial # 1899	Door RH  Lot #  48899	U of M: Chaque	

It is hereby certified that all materials, process and finished items were controlled and tested in accordance with the requirements of the purchase order and applicable specifications All such records are on file at our plant and available for review upon request

☐ Cust. Adm. ☐ Quality ☐ Ship.

## DELASTEK AERONAUTIQUE



YDate:

Mercredi, 2013-01-30 10:29:06

**Utilisateur** 

Mario Chantal

Feuille de Procédé

Qté:

Client

: DART US DART AEROSPACE

**Nom Dessin** Numéro Article : SPACEPOD DOOR RH

Numéro Job

: 48899

Numéro

: 3769

Numéro Dessin

: DKC134-0060

Numéro B.A.

Projet Numéro

Cette fois

: 2013-01-30

Révision dessin

Prsht Rev.

: NC

Matériel

: 7781 & 411-350

Ud UNITE

Prem. fois Job précédente

Date Dûe

: 2013-02-25

: DK-362

Écrit par

: 47641

Vérifié & Approuvé par

**Commentaires** 

: N° de dessin: D3186-2M rev. E

E.O.: N/A

Feuille de Procédé Rév.: 03 AMB0349 remplacé par

AMB0511 (réf. RFC #226)

Formulaire d'inspection: N/A

Produit additionnel

Numéro Job:



N° 83634, Frekote Loctite Wolo

#Séq.:

Machine ou

Description:

1.0

AAC1616

N° 83634, Frekote Loctite Wolo

Comment

Qtv.: 0.050 UNITE(s)/Unit Total:

0.050 UNITE(s)

N° de Lot: 1-37420-1

2.0

PREPARATION



Comment

Setup: 0.00Hrs/ Run: 5.0000Min Total Run: 0.0833Hrs

Faire la préparation du moule N° DT 8006 selon IG 0009.

3.0

AAC1885

Tissu à délaminer Release ply B

Comment

Qty.:

3.28 VERGE(s) Total:

3.28 VERGE(s)/Unit Tissu à délaminer Release ply B

# de Lot.

Feutre de drainage N° Airweave N 10

4.0

AAC1887

Wrightlon 5200 Bleu P3

Qty.:

Total:

Comment

3.59 VERGE(s)/Unit Wrightlon 5200 Bleu P3

3.59 VERGE(s) # de Lot:

5.0

AC0885

Comment

Qty.:

3.00 VERGE(s)/Unit

Total:

3.00 VERGE(s)

Date:

Mercredi, 2013-01-30 10:29:06

Utilisateur:

Mario Chantal

Feuille de Procédé

Client:

48899

DART US DART AEROSPACE

Nom Dessin:

SPACEPOD DOOR RH

Numéro DKC134-0060

Numéro Job: Numéro Job:



# Séq.:

Machine ou Opération:

**Description:** 

6.0

AC0943

Stretchlon 200 poche à vide Vert

Comment

Qty.:

3.00 VERGE(s)/Unit Total:

3.00 VERGE(s)

7.0

AMB0214

9.7 oz Weave "S" glass #FG-778150-125Y Volan Finish

Comment

Qty.:

4.5 VERGE(s)/Unit Total:

4.5 VERGE(s)

9.7 oz Weave "S" glass #FG-778150-125Y Volan Finish

-39576-1

8.0

AC0886

Ruban à gommer jaune #: T/AT-200°

Comment

Comment

Qty.:

2.2500 ROULEAU(s)/Unit

Total:

2.2500 ROULEAU(s)

9.0

AMB0511 Qty.:

N° TG-13-U, Fiberglass 13 oz

1.00 VERGE(s)/Unit N° TG-13-U, Fiberglass 13 oz

Total:

1.00 VERGE(s) N° de Lot:

36302-

10.0

PREP-GENERAL

Préparation du matérie





Comment

Tailler le matériel selon les différents patrons de découpe.

Appliquer le ruban jaune tout le tour du stretchlon 200 en laissant le papier sur le coté non en contact avec le sac à vide.

Afin d'accélérer le processus de taillage, tailler les plis de 9.7 oz. tous en même temps en les superposants les uns sur les autres.

AMB0286

Catalyst N° DDM-9

Comment

Qty.:

0.0080 GALLON(s)/Unit Total: 0.0080 GALLON(s)

Catalyst N° DDM-9

N° de Lot:

12.0

11.0

AMB0212

Résine (411B7530) 411-350 promo, 75min.

Comment

Comment

Qtv.:

0.500 LITRE(s)/Unit Total:

0.500 LITRE(s)

13.0

PREP-GENERAL

Préparation du matérie

N° de Lot:



Setup: 0.00Hrs/ Run: 5.0000Min Total Run: 0.0833Hrs

Résine (411B7530) 411-350 promo. 75min.

Faire la préparation de la résine selon les quantitées requises, mix ratio 1.5% catalyst par

quantité de



4440 C.J

Date: Mercredi. 2013-01-30 10:29:06 Utilisateur: Mario Chantal Feuille de Procédé SPACEPOD DOOR RH Client: DART US DART AEROSPACE 48899 DKC134-0060 Numéro Numéro Job: Numéro Job: #Séq.: Machine ou Opération: Description: 14.0 LAMINAGE Faire le laminage Comment Setup: 0.00Hrs/ Run: 15.0000Min Total Run: 0.2500Hrs À l'aide d'un rouleau de 2" dia. appliquer une couche de résine sur le moule et ensuite imbiber un pli de tissu 9.7 oz. 4440 C.J 15.0 Comment Setup: 0.00Hrs/ Run: 10.0000Min Total Run: 0.1667Hrs Faire la poche à vide selon IG 0012. Laisser sécher pendant 4 heures minimum. Heure Fin Curing: 8:00 16.0 AMB0286 0.0120 GALLON(s)/Unit Total: 0.0120 GALLON(s) Comment Qty.: N° de Lot: 1-27929-1 Catalyst N° DDM-9 Résine (411B7530) 411-350 promo. 75min. AMB0212 17.0

7.0 AMB0212 Résine (411B7530) 411-350 promo. 75mir

Comment Otv: 0.300 LITRE(s)/Unit Total: 0.300 LITRE(s)

Qty.: 0.300 LiTRE(s)/Unit Total: 0.300 LiTRE(s)

Résine (41187530) 411-350 promo 75min N° de Lot: 1 ~ 40544-7

Résine (411B7530) 411-350 promo. 75min N° de Lot: 1 - 40544-1

18.0 PREP-GENERAL Préparation du matériel

Comment Setup: 0.00Hrs/ Run: 5.0000Min Total Run: 0.0833Hrs

Faire la préparation de la résine selon les quantitées requises, mix ratio 1.5% catalyst par quantité de résine et imbiber toutes les surfaces du Foam Core selon IG0105.

quantité de résine et imbiber toutes les surfaces du Foam Core selon IG0105.

Date \$25-0.4-/3 Sceau: 443-5 \( \)

19.0 DKC134-0057 Foam Core N° D3186-102 ( Porte D3186-2 )

Date: Mercredi, 2013-01-30 10:29:06 Utilisateur: Mario Chantal Feuille de Procédé Client: DART US DART AEROSPACE Nom Dessin: SPACEPOD DOOR RH 48899 DKC134-0060 Numéro Job: Numéro Numéro Job: #Séq.: Description: Machine ou Opération: 20.0 AAC1611 Polybond B46F Comment Qty.: 0.090 KIT(s)/Unit Total: 0.090 KIT(s) 38189-1 N° de Lot: Polybond B46F Assemblage mécanique 21.0 Comment Setup: 0.00Hrs/ Run: 15.0000Min Total Run: 0.2500Hrs Retirez le bagging. Pour aider au positionnement de 13 oz., positionner le gabarit de trimage dans le moule et tracer son contour sur le 9 oz. Retirez le gabarit de trimage. Positionner le foam core à l'aide du gabarit prévu à cet effet et tracer le contour sur le 9 oz. (Vous devriez maintenant avoir 2 contours de tracé sur le 9 oz.) Appliquer une couche de Polybond B64F à l'endos du Foam Core N° DKC134-0057 et positionner le foam Core sur le moule selon le dessin, et selon les lignes de positionnement prévues à cet effet. Sceau:\_4440 Faire le bagging sur la pièce 22.0 Comment .00Hrs/ Run: 10.0000Min Total Run: 0.1667Hrs Faire la poche à vide selon IG 0012. Retirer le bagging avant la fin de la polymérisation (entre 1h et 1h30) afin d'enlever le surplus de Polybond. Heure Fin Curing:

0.0400 GALLON(s)/Unit Total:

23.0 AMB0286 Catalyst N° DDM-9

Comment Qty.: 0.0400 GALLON(s)

Catalyst N° DDM-9

N° de Lot: 1-27829-1

24.0

AMB0212

Résine (411B7530) 411-350 promo. 75min.

Comment

1.000 LITRE(s)/Unit Total: Qty.:

1.000 LITRE(s)

Résine (411B7530) 411-350 promo. 75min

N° de Lot: 1-40544-1

Date: Mercredi, 2013-01-30 10:29:06 Utilisateur: Mario Chantal Feuille de Procédé Client: DART US DART AEROSPACE SPACEPOD DOOR RH Numéro DKC134-0060 Numéro Job: 48899 Numéro Job: # Séq.: Machine ou Opération: Description: 25.0 PREP-GENERAL Préparation du matériel Comment Setup: 0.00Hrs/ Run: 5.0000Min Total Run: 0.0833Hrs Faire la préparation de la résine selon les quantitées requises, mix ratio 1.5% catalyst par quantité de résine. 26.0 Comment Faire le laminage d'un pli de 9.7 oz. Faire le laminage d'un pli de 13 oz. tout le tour de la porte. Faire le laminage d'un pli de 9.7 oz. 5 e l o N 1 F . D K C 13 4 - 00 17 - 5

Date: 17/09/13 | Sceau: 4440 C 5 4460 | R C C C M 17/05

AGGING Faire le bacqing sur la nièce 27.0 Comment Faire la poche à vide selon IG 0012. Laissez Sécher 4 heures minimum Heure début Curing: Heure Fin Curing:\_ 28.0 Démoulage de la pièce Comment Setup: 0.00Hrs/ Run: 5.0000Min Total Run: 0.0833Hrs Démouler la pièce en faisant bien attention aux coins & Edges. Sabler la surfaces de la pièce qui était en contact avec le moule afin d'éliminer le fini lisse de celui-ci. Date: 21/05/13 Sceau: 4440 C5

Date: ~ Mercredi, 2013-01-30 10:29:06 Utilisateur: Mario Chantal Feuille de Procédé Client: DART US DART AEROSPACE SPACEPOD DOOR RH 48899 Numéro Job: DKC134-0060 Numéro Numéro Job: # Séa.: Machine ou Opération: Description: 29.0 TRIMAGE Trimage Comment Trimer le contour de la pièce à l'aide du gabarit de trimage prévu à cet effet. 30.0 AAC1021 Dupont Primer N° 7704S Comment Qty.: 0.1400 UNITE(s)/Unit 0.1400 UNITE(s) Total: N° de Lot: 1-39123 Dupont Primer N° 7704S 31.0 AAC1101 N° 7775S, Dupont Activator - Reducer Chromabase Comment Qty.: 0.0283 UNITE(s)/Unit Total: 0.0283 UNITE(s) N° 7775S, Dupont Activator - Reducer Chromabase N° de Lot: 1 - 373 32.0 PRIMER Application primer Comment Setup: 0.00Hrs/ Run: 30.0000Min Total Run: 0.5000Hrs Appliquer une couche de primer la 10008. Date: 29-05-1) Sceau: # de fiche de mélange: 6412 33.0 AAC1492 N° P-15-3, Adtech Micro Ultra Filler Comment 0.010 GALLON(s)/Unit Total: Qty.: 0.010 GALLON(s) N° P-15-3, Adtech Micro Ultra Filler N° de Lot: 34.0 **FINITION** Finition Générale Setup: 0.00Hrs/ Run: 0.0000Min Total Run: 0.0000Hrs Faire les réparations de finition si nécessaire à l'aide du "Filler" P15-3.

Faire un léger sablage (Grit 220) de toutes les surfaces.

Dupont Primer N° 7704S

Sceau: 4

Comment Qty.: 0.1400 UNITE(s)/Unit Total: Dupont Primer N° 7704S

0.1400 UNITE(s)

N° de Lot: 1-391

35.0

Mercredi, 2013-01-30 10:29:06

.sateur:

Mario Chantal

Feuille de Procédé

DART US DART AEROSPACE Client:

Numéro Job:

48899

SPACEPOD DOOR RH

DKC134-0060 Numéro

Numéro Job:



#Séq.:

Machine ou Opération:

Description:

36.0

AAC1101

N° 7775S, Dupont Activator - Reducer Chromabase

Comment Qty.:

0.0300 UNITE(s)/Unit Total:

0.0300 UNITE(s)

N° 7775S, Dupont Activator - Reducer Chromabase

N° de Lot: 1-17302-3

37.0

PRIMER



20-06-13



6429.



Comment

Setup: 0.00Hrs/ Run: 0.0000Min (Sotal Run: 0.0000Hrs 18-06-13





Appliquer une couche de primer seles G 0008.

Date: 3/-05-13 Sceau:

# de Fiche de mélange: 6415

38.0

Inspection finale



Comment

Setup: 0.00Hrs/ Run: 5.0000Min: Total Run: 0.0833Hrs

Faire l'inspection finale par la qualité selon le dessin.

Pièce regelées priner n'adheupes

Date: 215 VII/Sceau:

39.0



Emballage & Entreposage



Comment

Setup: 0.00Hrs/ Run: 0.0000Min Total Run: 0.0000Hrs

Emballer et entreposer selon IG 0057.

Date: 211/11/11/18 Sceau: 4451